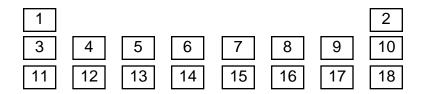


Step 5: Use the following colors to shade in the square for each element. You should ONLY color in the small square in the upper left-hand corner and not the entire card.

Green = Li & Na	Pink = O & S	Blue = Be & Mg	Purple = F & Cl
Orange = B & Al	Red = C & Si	Tan = N & P	Yellow = He, Ne, & Ar

Step 6: Cut the cards apart and arrange <u>according to atomic number</u> in the pattern shown below. Once you have the cards arranged in the correct order, glue them to a large sheet of construction paper.



Step 7: Answer the questions on the back of this worksheet using the information on your Periodic Table.

CHECKLIST Done Neat Colored correct Valence Electrons Stand out Organized Questions answered Atom drawing

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Alkali Metals - 1 valence electron	&			
Alkaline Earth Metals - 2 valence electrons	&			
Boron Family - 3 valence electrons	&			
Carbon Family - 4 valence electrons	&			
Nitrogen Family - 5 valence electrons	&			
Oxygen Family - 6 valence electrons	&			
Halides - 7 valence electrons	&			
Noble Gases - Complete outermost shell				
,,	, &			

8. What do you notice about the location of the elements in each family?

9. How would you classify hydrogen? Why?

electrons. Give the name and symbol for each element.

10. Predict the number of valence electrons for each element based on its location in the Periodic Table of Elements. You will need to use the table in your textbook.

Barium = \_\_\_\_ Lead = \_\_\_\_ Xenon = \_\_\_\_ Potassium = \_\_\_\_

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